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phase jitter audio or speech and encode

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www.informatik.uni-hamburg.de... applying the inverse transform, a **phase jitter** is introduced ... produced by ran- domising  
their **phase** in the ... IEEE transactions on **speech** and **audio** processing, 1(4 ...[Cited by 9](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 6 versions](#)**[PDF]** ► [Secure real time \*\*speech\*\* transmission over the Internet: performance analysis and ...](#)

M Rocchetti - SUMMER COMPUTER SIMULATION CONFERENCE, 2000 - scs.org

... Subsequently, the installation **phase** takes place and the encrypted ... and based on the  
consideration that **jitter** and disorder ... the temporal order of an **audio** stream ...[Cited by 5](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 2 versions](#)[Oversampled analogue-to-digital conversion for digital \*\*audio\*\* systems](#)

TF Darling, MOJ Hawksford - 85th AES convention, LA, preprint, 1988 - aes.org

... Analogue antialiasing filters possess nonlinear **phase**, ripple in ... to constrain the  
clock **jitter** to < 100 ... have found applications in **audio**, **speech** and telephony ...[Cited by 5](#) - [Related articles](#) - [All 2 versions](#)[Encoding and decoding of auditory signals in relation to human \*\*speech\*\* and its application ...](#)

N Dillier, T Spillmann, UP Fisch, LJ Leifer - International Journal of Audiology, 1980 - informahealthcare.com

... are much sharper than with acoustical stimulation, reflecting less **jitter** in **phase**  
lock histograms ... Signals in Relation to Human **Speech** 155 SOUND SIGNAL AñAÍ ...[Cited by 13](#) - [Related articles](#) - [All 4 versions](#)**[PDF]** ► [Integrating networks measurements and \*\*speech\*\* quality subjective scores for control ...](#)

S Mohamed, F Cervantes-Perez, H Afifi - IEEE INFOCOM, 2001 - Citeseer

... loss rate, packetization interval, arrival **jitter**, loss distribution ... Section IV exhibits  
the training **phase** of the ... a certain level of **audio/speech** quality [1]. ...[Cited by 53](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 7 versions](#)[Sinusoidal coding](#)

AWJ Oomen, AC Den Brinker - US Patent App. 09/885,707, 2001 - Google Patents

... the quality of the synthesized **speech**, avoiding the ... coder, an **audio** player, an **audio**  
system, an ... an advan- taged way of applying **phase jitter** by transmitting ...[All 6 versions](#)[CHAPTER? \*\*SPEECH\*\* PROCESSING STANDARDS](#)AN Ince - ... **speech** processing: **speech** coding, synthesis, and ..., 1992 - books.google.com... other added analog impairment such as delay distortion, non-linear distortion and  
**phase jitter**), for 2400 b ... 4 shows **audio** quality for **speech** and music ...[Related articles](#)[Audio quality assessment in packet networks: an inter-subjective neural network model-](#) ► psu.edu **[PDF]**S Mohamed, F Cervantes, H Afifi - Proceedings of the IEEE 15th International Conference ..., 2001 -  
doi.ieeecomputersociety.org

... complete discussion for packet loss, delay **jitter** and the ... To construct the **audio** database, we chose a variation ... The scoring **phase** is in compliance with the MOS ...  
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Multimedia systems: An overview- ► [fau.edu](#) [PDF]

B Furtb - IEEE Multimedia, 1994 - doi.ieeeecomputersociety.org

... Group National Television Systems Committee **phase** alternating line ... include an algorithm for compressing **audio** data at ... has low access latency and low **jitter**. ...

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[PDF] ► Adaptive delay concealment for Internet voice applications with packet-based time-scale ...

F Liu, JW Kim, CCJ Kuo - ... CONFERENCE ON ACOUSTICS SPEECH AND ..., 2001 - Citeseer

... 200 250 300 350 400 450 500 **phase** plot 2 ... delay modeling parameters to generate the delay **jitter** statis- tics ... FEC-based error con- trol for packet **audio** in the ...

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Neurobiologic responses to **speech** in noise in children with learning problems: deficits and ...-

► [northwestern.edu](#) [PDF]

J Cunningham, T Nicol, SG Zecker, A Bradlow ... - Clinical Neurophysiology, 2001 - Elsevier

... If there is excessive neural '**jitter**', which might occur ... It reflects brain-stem-generated, **phase**-locked responses ... CV ratio) was -18 dB sound pressure level ...

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[PDF] ► Real-Time **Audio** Subjective Quality Assessment in Packet Networks

S Mohamed, F Cervantes, H Afifi - NETWORKING AND INFORMATION SYSTEMS ..., 2000 - Citeseer

... the examples gathered during the operation **phase**, new training ... addition, the delay and the delay **jitter** are also ... is confirmed by most Internet **audio** tools [24 ...

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The **sound** manifesto- ► [arxiv.org](#) [PDF]

MJ O'Donnell, I Bisnovaty - Arxiv preprint cs/0007014, 2000 - arxiv.org

... flutter in the **phase** and random **jitter** in the ... to the time-frequency to amplitude-**phase** function, but ... also be char- acterized by specific **audio** contexts, such ...

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**Speech**-processing strategies designed for children

GE Loeb - Otolaryngology-Head and Neck Surgery, 1997 - Elsevier

... the effect on **speech** information and sound quality during ... to reduce distortion produced by neural **phase** locking is to introduce temporal **jitter** in the ...

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Neurophysiologic bases of **speech** discrimination

N Kraus, T McGee, TD Carrell, A Sharma - Ear and Hearing, 1995 - journals.lww.com

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[PDF] ► Auditory pathway **encoding** and neural plasticity in children with learning problems

N Kraus - Audiology and Neuro-Otology, 2001 - communication.northwestern.edu

... specific neural syn- chrony to **speech**-sound elements. ... If there is excessive neural **jitter**, which might ... It reflects brainstem-generated, **phase**-locked responses ...

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ML Grabb, SR Koch, GW Brooksby, RL Zinser ... - US Patent 6,081,776, 2000 - Google Patents  
 ... represent extracted parameters of the original **speech** sound. ... LP analysis techniques  
 to original **speech** samples. ... vocoder system comprises an **encoder** compo- nent ...  
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### Image **encoding** and synthesis

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**phase** is consistent ... and 10 showed some registration **jitter**, but this ...  
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### Time-frequency interpolation with application to low rate **speech** coding

Y Shoham - US Patent 5,577,159, 1996 - Google Patents  
 ... the corresponding wave- form tends to sound smooth even ... spectral sequence  $Y'(n,K)$   
 and **phase**  $^{\wedge}(m)$  which ... TFI decoding depending on whether the **speech** is voiced ...  
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 - ingentaconnect.com  
 ... **Jitter**. ... a H.323 conference is classified in streams, as follows: **audio** (coded **speech** ...  
 The call begins with a call signalling **phase**  $\pm$  signalling messages (Q.931 ...  
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### [PDF] ► Development of a loss-resilient internet **speech** transmission method

NTL Le, 1999 - Citeseer  
 ... our contribution to improve the reliability in determining **phase** and periodicity ...  
 an additional time needed to buffer look-ahead **audio** data samples ... 2.1.2 **Jitter** ...  
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### [PDF] ► Audio-to-visual conversion for multimedia communication

RR Rao, T Chen, RM Mersereau - IEEE Transactions on Industrial Electronics, 1998 - itu.dk  
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**phase** of a ... In a wireless The **audio** codec 30 implements the **speech** A to D ...  
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Random **Phase** Noise Generator ... an isolated aspiration preceding a vowel sound. ...  
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G.723.1 G ... 704, Digital cellular telecommunication system(**Phase** 2+); Adaptive ...  
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**[Processing of the auditory-nerve code for speech by populations of cells in the ...](#)**

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F Voice quality rating scales **Phase** 1 ..... 104 . ...

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... on a specific service computer, eg **speech** synthesis, while ... 9 **Audio** can be reduced

in sample size ... from compression loss, and is specifically sensitive to **jitter**. ...

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... LMJ( q k ) Language model **jitter** score for q k vii ... differences, such as vocal tract length which affects the fundamental frequency of a **speech** sound, and socio ...

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A hybrid approach to the variable speed replay of digital **audio**

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Low-complexity transform coder for satellite link applications

G Davidson, L Fielder, M Antill - Proc. 89th Conv. Aud. Eng. Soc, 1990 - aes.org

... A **phase** locked loop (PLL) is used to generate all sample and data timing in both the **encoder** and decoder. ... Timing **jitter** in the sampled **audio** data is ...

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P Finkenzerler - International Journal of Audiology, 1980 - informahealthcare.com

... their activity, thus producing an apparently systematic **jitter** in the ... 8. 0 dB corresponds to a sound level at ... avec un stimulus à inversion de **phase** nous avons ...

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Lossless coding for **audio** discs

P Craven, M Gerzon - Journal of the Audio Engineering Society, 1996 - aes.org

... Amplitude differences, **phase** shifts, or time delays between the two ... supplies and the timing and **jitter** of servos ... Minimally Audible Noise Shaping," J. Audio Eng ...

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... Rayleigh (1842-1919) 34 Measuring Sound Pressure Levels ... 470 The Output Signal 477 Sampling-**Jitter** Noise 481 ... Distortion and the Audibility of **Phase** 509 Auditory ...

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AR Moller - American Journal of Audiology, 2001 - ASHA

... FIGURE 3. **Phase** locking of discharges in a single guinea ... because of “synaptic **jitter**.” Synaptic **jitter** is a ... **encoding** of rapid changes in sound amplitude by ...

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N Jayant, J Johnston, R Safranek - Proceedings of the IEEE, 1993 - isip.lzu.edu.cn

... subclass of analog signals such as **speech**, **audio**, and image ... When the terms coding, **encoding**, and decoding are ... 124], [160], differential delay, and **jitter**, as in ...

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[PDF] ► A 2.4 KBIT/S MELP CODER CANDIDATE FOR THE NEW US FEDERAL STANDARD

AMCKTE Bryan, GTPBPV Viswanathan - ... IEEE International Conference on Acoustics, Speech, ..., 1996 - www-sipl.technion.ac.il

... Fourier magnitudes of the excitation signal, assuming zero **phase**. ... Fourier magnitudes, bandpass voicing, and **jitter** bits are ... **Speech** and **Audio** Process- ing, vol. ...

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F Liu, JW Kim, CCJ Kuo - Society of Photo-Optical Instrumentation Engineers ( ...), 2001 - netmedia.kjlist.ac.kr

... is not preserved, there will be a **phase** jump and a ... T G.723.1 and ISO/IEC MPEG-4

**speech/audio** codec, the impact of network loss and delay **jitter** is somewhat ...

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[Psychophysical evidence against the autocorrelation theory of auditory temporal processing-](#) [► ioa.ac.cn](#)

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C Kaernbach, L Demany - The Journal of the Acoustical Society of America, 1998 - link.aip.org

... “**Phase**-locked cortical responses to a human **speech** sound and low ... “**Jitter** detection:

a brief review and some new experiments,” in Psychophysical and ...

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[Cochlear implant prosthesis current switching and power supply.](#)

PA Crosby, CN Daly, DK Money, JF Patrick, ..., 1987 - freepatentsonline.com

... frame, and thus there will be no **jitter** between stimulus ... at the start of each output

**phase**, improving the ... The **audio** signal is amplified and processed by the ...

[All 2 versions](#)

[Method and apparatus to adaptively control the frequency of reception in a digital wireless ...](#)

NS Lin, R Subramanian, K Suzuki - US Patent 5,581,579, 1996 - Google Patents

... receives each one of the plurality of discrete binary symbols and determines a **phase**

error signal ... The **audio** codec 30 implements the **speech** A to D ...

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**[PDF]** [► Switching to digital](#)

L Cheveau - EBU Technical Review, 1998 - Citeseer

... circuits – can only offer poor telephone-quality **speech**. ... **audio** and Reed- Solomon

error ... PM **Phase** modulation QPSK Quadrature (quaternary) **phase**- shift keying ...

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D MAX-D - Computer, 2000 - cs.ucl.ac.uk

... **Audio**. ... Delay < 400ms: including **jitter**. Low loss preferable: loss tolerant encodings

exist. Data rates: **speech** 64Kb/s; “good” music 128Kb/s. Time domain ...

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[Variable speed replay of digital \*\*audio\*\* with constant output sampling rate](#)

GWW McNally - US Patent 4,716,472, 1987 - Google Patents

... of m'er- equal to fv but the '**phase**' information in ... Since all the tunings of **audio**

data are synchronous with ... Clock **jitter** will be generated for all speeds other ...

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**[PDF]** [► Video Browsing Using Cooperative Visual and Linguistic Indices](#)

R Jain, A Gupta, A Hampapur, 1996 - dtic.mil

... As part of our **Phase** II development, and for ... camera motion, multiple object motions

and camera **jitter**, image flow ... in the **speech** portion of the **audio** track and ...

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[System and method for voice Payout in an asynchronous packet network](#)

G Sugar - US Patent 5,790,538, 1998 - Google Patents

... digitizing **speech** by sampling the sound waves and con- The ... Clock Recovery Module 10 generates a **phase** continuous FIFO ... 2 in order to smooth out **jitter** quency is ...

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### Signal **encode**/decode system

KO Johnson, MW Pflaumer... - US Patent 5,872,531, 1999 - Google Patents

... pre-echo, are subject to sudden **phase** shifts near ... During the **encoding** process, 10 To be inaudible, the ... The processed **audio** or signal becomes encoded to the ...

[Cited by 9](#) - [Related articles](#) - [All 3 versions](#)

### Longitudinal Digital Recording of **Audio**

RB Warnock - AES preprint, 1976 - [aes.org](#)

... code, sometimes known as narrow band **phase** (NB\_) or ... control of a local low **jitter** crystal oscillator. ... amplifiers used should exhibit total **audio** band harmonic ...

[Cited by 1](#) - [Related articles](#)

### Device programming

WH Shapiro - Cochlear implants, 2000 - [books.google.com](#)

... level of performance during the early post- stimulation **phase**. ... frequency table, order of stimulation, **jitter**, and Q ... means of affecting changes in sound quality ...

[Cited by 7](#) - [Related articles](#) - [All 2 versions](#)

### System for synchronizing by transmitting control packet to omit blocks from transmission, ...

LA Ehley - US Patent 5,737,531, 1998 - Google Patents

... frame 301c, the video and **audio** streams would be **phase**-shifted and ... are subject to a phenomenon known as "**jitter**." In particular, the **audio** frames 501a ...

[Cited by 14](#) - [Related articles](#) - [All 2 versions](#)

### Flow synchronization protocol- ► [ucl.ac.uk](#) [PS]

J Escobar, C Partridge, D Deutsch - IEEE/ACM Transactions on Networking (TON), 1994 - [portal.acm.org](#)

... Section IV), plus the protocol initialization **phase** and protocol ... to synchronize two flows, an **audio** stream and ... digitizing of the signal or **encoding** delays for ...

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### Frication noise modulated by voicing, as revealed by pitch-scaled decomposition- ► [ioa.ac.cn](#) [PDF]

PJB Jackson, CH Shadle - The Journal of the Acoustical Society of America, 2000 - [link.aip.org](#)

... performance was evaluated with three kinds of perturbation: **jitter**, shimmer and ... The anharmonic delay the offset **phase**  $\beta$  and the standard ... **Speech Audio** Process. ...

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### Review of the roles of temporal and place coding of frequency in **speech** discrimination

AR Moller - Acta oto-laryngologica, 1999 - [informahealthcare.com](#)

... auditory system because of the temporal **jitter** associated with ... of auditory neurons in cat to sound stimulation ... **Phase**- locked response to low-frequency tones in ...

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### Method and apparatus for recording compressed variable bitrate **audio** information

AAML Bruckers, W De Haan, JL Bakx, LM Van ... - US Patent 6,320,825, 2001 - Google Patents

... variations or jumps may cause interference or **jitter** in the ... 20 is commanded to reproduce an item of **audio** from the ... rials such as dye, alloy or **phase** change, or ...

[Cited by 6](#) - [Related articles](#) - [All 2 versions](#)

### [PDF] ► [Real-time video quality assessment in packet networks: A neural network model](#)

S Mohamed, G Rubino, F Cervantes, H Afifi - ... NATIONAL DE RECHERCHE EN INFORMATIQUE ET ..., 2001  
- Citeseer

... reacting to inputs never seen during the training **phase**). ... M, Tanner, J. "The Effects  
of **Jitter** on the ... Watson, A. and Sasse, MA "Evaluating **Audio** and Video ...

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T Keller, L Hanzo - Proceedings of the IEEE, 2000 - Citeseer

... to-mean envelope fluctuation in OFDM, **phase** noise in ... to their approach, different  
data **encoding** or mapping ... as the new European digital **audio** broadcasting (DAB ...

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